

ABSTRACT

An optical disk device has
a light source which emits light; and
light converging means of, in each of signal mark forming
regions, each of lands, or each of grooves of an optical disk,
converging the light from the light source onto a signal surface
of the optical disk with selectively positioning a signal mark
at any one of plural positions which are arranged in a direction
that is substantially perpendicular to tracks, each of the signal
mark forming regions surrounded by adjacent two of boarder lines
which are between two the tracks on the signal surface of the
optical disk, and which are substantially parallel to the tracks,
and each of which substantially divides an area between adjacent
tracks in two parts.